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1. (amended) An individual disc mounting system for an agricultural implement having a plurality of individual disc blades, the mounting system comprising:
- a. a generally U-shaped leaf spring with an upper leg and a lower leg connected by a closed end, said lower leg having a longitudinal axis and a bottom surface generally parallel to said longitudinal axis;
 - b. a mounting apparatus configured to attach said upper leg to the implement, such that said lower leg longitudinal axis is oriented generally horizontally; and
 - c. a disc spindle apparatus attached to said leaf spring lower leg such that said disc spindle apparatus extends outward from said lower leg in a direction which is generally transverse to said lower leg bottom surface, said disc spindle apparatus supporting a bearing which accommodates only one of the individual disc blades such that the disc blade is positioned alongside a portion of said leaf spring lower leg and is freely rotatable relative to said spring lower leg, wherein positioning of said leaf spring at least partially alongside the disc blade allows the disc blade to deflect vertically, horizontally and/or torsionally when it encounters an obstacle.

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11. (amended) An agricultural implement including a plurality of front disc blades positioned proximate a front end of the implement with the front disc blades being spaced laterally across the implement, a plurality of rear disc blades attached to the implement proximate a rear end thereof, with the rear disc blades also being spaced laterally across the implement, and a plurality of ground working tools having ripper shanks attached to the implement

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with each of the ripper shanks being positioned intermediate the front and rear disc blades, the improvement comprising a disc mounting system for attaching at least said front disc blades to said implement, comprising:

- a. a leaf spring with an upper leg and a lower leg connected by a closed end;
- b. a mounting apparatus configured to attach said upper leg to the implement; and
- c. a disc spindle apparatus attached to said leaf spring lower leg such that said disc spindle apparatus extends outward from said lower leg, said disc spindle apparatus supporting a bearing which accommodates only one of the disc blades such that the disc blade is positioned alongside a portion of said leaf spring lower leg and is freely rotatable relative to said spring lower leg, wherein positioning of said leaf spring at least partially alongside the disc blade allows the disc blade to deflect vertically, horizontally and/or torsionally when it encounters an obstacle.

16. (amended) An agricultural implement including a plurality of front disc blades positioned proximate a front end of the implement with the front disc blades being spaced laterally across the implement, a plurality of rear disc blades attached to the implement proximate a rear end thereof, with the rear disc blades also being spaced laterally across the implement, and a plurality of ground working tools having ripper shanks attached to the implement with each of the ripper shanks being positioned intermediate the front and rear disc blades, the improvement comprising a disc mounting system for attaching at least said front disc blades to said implement, comprising:
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- a. a leaf spring with an upper leg and a lower leg connected by a closed end, wherein said leaf spring closed end is canted at an angle with respect to vertical such that said upper leg is offset with respect to said lower leg;
 - b. a mounting apparatus configured to attach said upper leg to the implement; and
 - c. a disc spindle apparatus attached to said leaf spring lower leg such that said disc spindle apparatus extends outward from said lower leg, said disc spindle apparatus supporting a bearing which accommodates one of the disc blades such that the disc blade is positioned alongside a portion of said leaf spring lower leg and is freely rotatable relative to said spring lower leg, wherein positioning of said leaf spring at least partially alongside the disc blade allows the disc blade to deflect vertically, horizontally and/or torsionally when it encounters an obstacle.

21. (amended) A method of mounting an individual disc blade to an agricultural implement, comprising the steps of:

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- a. providing a generally U-shaped leaf spring with an upper leg and a lower leg connected by a closed end, said lower leg having a longitudinal axis and a bottom surface generally parallel to said longitudinal axis;
 - b. mounting said leaf spring upper leg to the implement, such that said lower leg longitudinal axis is oriented generally horizontally; and
 - c. attaching a disc spindle apparatus to said leaf spring lower leg in a position such that said disc spindle apparatus extends outward from said lower leg in a direction

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which is generally transverse to said lower leg bottom surface, said disc spindle apparatus supporting a bearing which accommodates only one disc blade such that the disc blade is positioned alongside a portion of said leaf spring lower leg and is freely rotatable relative to said leaf spring lower leg.

(Please add the following new claims:)

38. An agricultural implement including a gang of disc blades spaced laterally across the implement, each disc blade in said gang being individually mounted to said implement by a disc mounting system comprising:

- a. a leaf spring with an upper leg and a lower leg connected by a closed end;
- b. a mounting apparatus configured to attach said upper leg to the implement; and
- c. a disc spindle apparatus attached to said leaf spring lower leg such that said disc spindle apparatus extends outward from said lower leg, said disc spindle apparatus supporting a bearing which accommodates only one of the disc blades such that the disc blade is positioned alongside a portion of said leaf spring lower leg and is freely rotatable relative to said spring lower leg.

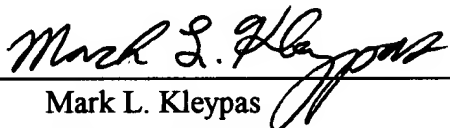
39. The disc mounting system as in Claim 38, wherein said disc spindle apparatus is attached to said leaf spring lower leg such that said disc spindle apparatus is canted at an angle in the range of 3 to 13 degrees from horizontal.

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40. The implement as in Claim 38, wherein said leaf spring is generally U-shaped.
41. The implement as in Claim 38 wherein said gang of disc blades is a first disc gang positioned proximate a first end of said implement and said implement further includes a second disc gang positioned proximate a second end of said implement opposite said first end.
42. The implement as in Claim 41 wherein said implement further includes a plurality of ground working tools having ripper shanks attached to the implement with each of the ripper shanks being positioned intermediate the first and second disc gangs.
43. The implement as in Claim 38 wherein:
- a. said lower leg has a longitudinal axis and a bottom surface generally parallel to said longitudinal axis;
 - b. said mounting apparatus is configured to attach said upper leg to the implement such that said lower leg longitudinal axis is oriented generally horizontally; and
 - c. said disc spindle apparatus extends outward from said lower leg in a direction which is generally transverse to said lower leg bottom surface.
- Sub B2 44. The implement as in Claim 38 wherein said leaf spring closed end is canted at an angle with respect to vertical such that said upper leg is offset with respect to said lower leg.

In the event that the Examiner is of the opinion that the prosecution of this application for reissue can be advanced thereby, he is invited to contact Applicant's attorney at the telephone number listed below.

Respectfully submitted,

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